

BUDGET ITEM JUSTIFICATION SHEET						DATE: FEBRUARY 2004		
APPROPRIATION/ PROCUREMENT, PAN&MC			P-1 NOMENCLATURE: (BLIN: 147500) CTG, .30MM ALL TYPES (EFV)					
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY								
COST (M\$)	0.000	0.000	2.474	5.755	9.402	28.243	14.410	

MARINE CORPS RESERVES (M) \$'S:

FY03	FY04	FY05	FY06	FY07	FY08	FY09
0.000	0.000	0.000	0.000	0.000	0.000	0.000

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APPROPRIATION/ PROCUREMENT, PAN&MC			P-1 NOMENCLATURE: CTG, 30MM TP-T F/EFV					
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY	0	0	47,773	48,897	61,836	80,857	110,079	
COST (M\$)	0.000	0.000	1.309	1.286	1.562	1.943	2.621	
<p>Target Practice - Tracer (TP-T) provides a low cost round to train and sustain EFV crews in perishable gunnery skills. The TP-T round has an inert full-bore projectile which allows it to be fired at ranges and facilities without the concern of unexploded ordnance associated with High Explosive ammunition, nor the distance of flight issues associated with Armor Piercing Fin Stabilized Discarding Sabot-Tracer round.</p> <p>Combat Expenditures: 0</p>								
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
CONSUMPTION	0.000	0.000	1.309	1.286	1.562	1.943	2.621	
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
COST (M\$)	0.000	0.000	1.309	1.286	1.562	1.943	2.621	

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APPROPRIATION/ PROCUREMENT, PAN&MC			P-1 NOMENCLATURE: CTG, 30MM SAPHE-T F/EFV					
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY	0	0	8,116	24,686	44,647	152,838	69,382	
COST (M\$)	0.000	0.000	0.922	2.760	4.921	16.716	6.701	
<p>The Semi-Armor Piercing High Explosive - Tracer (SAPHE-T) is the EFV's main round. The SAPHE is a full-bore hardened nose steel projectile filled with an explosive main charge with a mechanical base fuze. This round combines the strengths of a standard High Explosive round against the EFV's prime target (infantry) with the ability to penetrate soft to medium armor targets like light armored vehicles and fortified emplacements which are too "soft" for the APFSDS-T round or where an explosive effect is required. When fired against soft targets, the SAPHE produces many, relatively small fragments producing lethality levels equal to a standard 30mm high explosive round. The combination of the hardened nose and a base fuze functioning with a slight delay, allows the SAPHE to penetrate inside hardened targets.</p> <p>Combat Expenditures: 0</p>								
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
CONSUMPTION	0.000	0.000	0.922	2.760	4.921	16.716	6.701	
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
COST (M\$)	0.000	0.000	0.922	2.760	4.921	16.716	6.701	

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APPROPRIATION/ PROCUREMENT, PAN&MC			P-1 NOMENCLATURE: CTG, 30MM APFSDS-T F/EFV					
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
QUANTITY	0	0	1,001	7,703	14,122	47,534	24,789	
COST (M\$)	0.000	0.000	0.243	1.709	2.919	9.584	5.088	
<p>The kinetic energy Armor Piercing Fin Stabilized Discarding Sabot - Tracer (APFSDS-T) round will be utilized by the EFV to defeat extremely "hard" targets such as infantry fighting vehicles. The APFSDS-T round utilizes a long rod type of penetrator, which provides a highly effective means of deep penetration into materials such as metals (steel, RHA, etc.), concrete, ceramic, and other highly resistant target materials. Unlike most APFSDS-T rods which are made of Depleted Uranium (DU), these rods are fabricated from a hardened tungsten alloy, a high density "heavy metal" which produces significant penetration capabilities without the associated concerns of DU.</p> <p>Combat Expenditures: 0</p>								
	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	
CONSUMPTION	0.000	0.000	0.243	1.709	2.919	9.584	5.088	
WAR RESERVES	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
COST (M\$)	0.000	0.000	0.243	1.709	2.919	9.584	5.088	